

METHOD, SYSTEM, AND PROGRAM FOR ENCODING
AND DECODING INPUT DATA

ABSTRACT

Provided is a method, system, and program for encoding and decoding input
5 data. A key is generated comprising a list of a plurality of binary values, wherein
the key is available to a user to provide during decoding. The input data is encoded
by using the key to initialize a replacement list. A determination is made whether to
replace strings in the input data with a string reference to a matching string value,
wherein the input data not replaced with reference to one matching string value
10 comprises one or more literals. Each literal is replaced with a literal reference to one
entry in the replacement list matching the literal. The encoded input data is decoded
by accessing the generated key in response to user input and using the accessed key
to decode the literals replaced with literal references to entries in the replacement list.